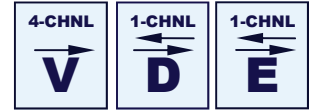


VersiVision - Fiber Optic Video

FVTM4A0x-0E - Transmitter
FVRM4A0x-0E - Receiver



Product Features

- 8-Bit Uncompressed Video Transmission
- NTSC, PAL or SECAM Video Compatible
- RS-485, RS-422, RS-232 Data Compatible
- 10/100Base Ethernet
- Transmit up to 30km without Optical Attenuation
- WDM Technology for Higher Reliability
- No EMI, RFI, Cross Talk or Video Distortion
- No Electrical or Optical Adjustments Required
- LED Indicators for Instant System Monitoring
- Standalone or Rack Mount in FVC14 Chassis



Product Description

The VERSITRON **VersiVision** Series video transmitters and receivers support 4-channels of 8-bit digitally encoded broadcast quality video + 1-channel of bi-directional RS-485/RS-422/RS-232 data + 1-channel of 10/100 Mbps Ethernet over one multi-mode or single-mode optical fiber. The devices are directly compatible with NTSC, PAL, and SECAM camera systems. Plug and Play design ensures adjustment-free installation and operation, and optical adjustments are never required. LED indicators are provided to instantly monitor the system operating status. A typical installation utilizes a *transmitter* unit at the camera end of the link, connected via a single fiber optic cable, to a *receiver* unit at the monitoring end of the link. Devices are available for either standalone or rack-mount installation with the FVC14 14-Slot Chassis.

Product Models

Model	Function	Connector	Fiber Cable	Wavelength	Max Distance
FVTM4A03-0E	Transmitter	ST Simplex	MM	850/1310nm	3 Km
FVRM4A03-0E	Receiver	ST Simplex	MM	850/1310nm	3 Km
FVTM4A05-0E	Transmitter	ST Simplex	SM	1310/1550nm	30 Km
FVRM4A05-0E	Receiver	ST Simplex	SM	1310/1550nm	30 Km

ST-SC adapters are available for applications using SC fiber connectors.

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Technical Specifications

VIDEO

Video Input:	1 Volt pk-pk (75 Ohms)
Input/Output Channels:	(4) Forward Only
Bandwidth:	5 Hz - 8 MHz
Bit Resolution:	8 - Bit
Differential Gain:	< 2%
Differential Phase:	< 0.6°
Tilt:	< 1%
S/N Ratio:	67dB (Weighed)
Sample Rate:	15.36 Mhz

WAVELENGTH

Multi-Mode:	850/1310nm
Single-Mode:	1310/1550nm

OPTICAL EMITTER

Laser Diode	
Number of Fibers:	1

DATA

Data Interface:	RS-485/RS-422/RS-232
Data Rate:	100 Kbps
Data Channels:	(1) Bi-Directional
Bit Error Rate:	10 ⁻⁹

ETHERNET

Data Rate:	10/100 Mbps
Data Channels:	(1) Bi-Directional

CONNECTORS

Optical:	ST
Video:	BNC
Data/Audio/Contact:	Screw Terminal Strip
Ethernet:	Shielded RJ-45

GENERAL

Power Supply:	12VDC @ 1.5A
Dimensions:	7.87 x 8.03 x 1.16 Inches
MTBF:	> 100,000 Hours
Operating Temperature:	-35° C to +75° C
Storage Temperature:	-50° C to +85° C
Relative Humidity:	0% to 95% (non-condensing)